

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/012518

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B23K10/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 211 327 A (CLARKE ET AL) 18 May 1993 (1993-05-18)	1
Y	the whole document	2-12
Y	EP 0 925 140 B (FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V;) 27 August 2003 (2003-08-27) cited in the application the whole document	2-12
A	WO 01/33114 A (CAREY, CHARLES, OLIVER, BRYCE) 10 May 2001 (2001-05-10)	
A	US 2004/136776 A1 (KEHRER OSKAR) 15 July 2004 (2004-07-15)	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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\* & \* document member of the same patent family

Date of the actual completion of the international search

1 August 2005

Date of mailing of the international search report

05/08/2005

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5211327	A	18-05-1993	NONE	
EP 0925140	B	30-06-1999	DE 19637465 C1 EP 0925140 A1 JP 2001500790 T US 6365866 B1 WO 9810884 A1 KR 2000036060 A	18-12-1997 30-06-1999 23-01-2001 02-04-2002 19-03-1998 26-06-2000
WO 0133114	A	10-05-2001	AU 1044301 A WO 0133114 A1	14-05-2001 10-05-2001
US 2004136776	A1	15-07-2004	AT 5144 U1 WO 02070911 A1 CA 2440084 A1 EP 1368573 A1 JP 2004522913 T	25-03-2002 12-09-2002 12-09-2002 10-12-2003 29-07-2004